



Arbovirus Surveillance Program
Massachusetts Department of Public Health
Infectious Diseases Laboratory Division
State Laboratory Institute

Date: August 4, 2000

Two additional birds, one from Boston found dead on 7/28/2000 and one from Brookline found dead on 8/1/2000, were confirmed positive for West Nile Virus today. Intensive mosquito trapping and ecological surveys have been initiated at and around the sites where the four WNV positive birds were found. Massachusetts residents are reminded to take precautions against mosquito bites. Consideration of limited and targeted mosquito control is recommended for appropriate locations within a two-mile radius of sites where birds are found.

Mosquitoes from traps near the WNV positive birds in Hopkinton and Boston have been collected and tested and all have been negative for virus. Trapping also continued at the sixteen regular long-term sites in Plymouth, Bristol, Norfolk, Middlesex and eastern Worcester Counties. Sites in Boston, Northampton, Springfield, and Greenfield were also trapped. In addition, Mosquito Control Projects throughout the state continue to send in mosquitoes for testing. Over 900 mosquito pools collected from sites throughout Massachusetts have been tested to date. Two pools of *Culiseta melanura*, one collected at the Easton long-term site on 7/23, and one collected in Boston by the Suffolk County Mosquito Control Program on 7/24, have tested positive for eastern equine encephalitis virus (EEEV). It is not unusual to isolate EEEV from *Cs.melanura*, a bird-biting mosquito, at this point in the summer. All other mosquitoes have tested negative for WNV and EEE virus.

To date, 29 humans have been tested for WNV infections. All tests of specimens from humans have been negative for WNV.

Weekly arbovirus reports and information material on WNV and EEEV can be accessed at

<http://www.state.ma.us/dph>.

Total Number of Mosquitoes Analyzed: 10,403

Virus Isolates in Mosquito Pools:

1 HJV	<i>Culex pipiens</i>	Boston	6/29/00
1 EEEV	<i>Culiseta melanura</i>	Easton	7/23/00
1 EEEV	<i>Culiseta melanura</i>	Boston	7/24/00

WNV Positive Birds:

Boston	7/22/00	Crow
Hopkinton	7/21/00	Crow
Boston	7/28/00	Robin
Brookline	8/1/00	Crow

Mosquito Surveillance Weekly Test Report

7-29-00 to 8-4-00

<i>Site</i>	<u><i>Mosquito Species</i></u>							<u><i>Virus in Mosquito Pools</i></u>		
	<i>Cs mel</i>	<i>Cq per</i>	<i>Ae can</i>	<i>Ae vex</i>	<i>Cx pip</i>	<i>Cx other</i>	<i>Other Sp</i>	<i>EEEV</i>	<i>HJV</i>	<i>WNV</i>
Boston	0	0	0	0	471	279	0	0	0	0
Brockton	19	0	0	0	6	0	0	0	0	0
Canton	17	15	0	0	5	0	0	0	0	0
Carver	15	173	0	0	2	0	0	0	0	0
Easton	183	0	25	0	12	3	0	0	0	0
Foxboro	23	5	1	0	3	2	0	0	0	0
Greenfield	0	1	0	0	19	4	0	0	0	0
Halifax	122	13	14	0	24	17	0	0	0	0
Hanover	0	0	0	0	6	0	0	0	0	0
Holliston	32	1	1	0	3	1	0	0	0	0
Hopkinton	0	0	1	8	140	120	1	0	0	0
Kingston	9	1	0	0	8	0	0	0	0	0
Lakeville	3	7	0	0	12	14	0	0	0	0
New Bedford	64	1	1	0	9	3	0	0	0	0
Northampton	0	0	0	12	4	0	0	0	0	0
Raynham	3	1	2	1	2	0	0	0	0	0
Rehoboth	5	0	1	0	1	0	0	0	0	0
Springfield	0	0	5	0	0	6	0	0	0	0
Walpole	29	32	3	0	2	0	0	0	0	0
Westboro	76	1	1	1	10	7	0	0	0	0
Westport	8	0	0	0	0	0	0	0	0	0
<i>Total for DPH</i>	608	251	55	22	739	456	1	0	0	0

Monday, August 07, 2000

Mosquito Surveillance Cumulative Test Report

5-31-00 to 8-4-00

<i>Site</i>	<i>Mosquito Species</i>							<i>Virus in Mosquito Pools</i>		
	<i>Cs mel</i>	<i>Cq per</i>	<i>Ae can</i>	<i>Ae vex</i>	<i>Cx pip</i>	<i>Cx other</i>	<i>Other Sp</i>	<i>EEEV</i>	<i>HJV</i>	<i>WNV</i>
Boston	1	0	0	0	524	296	0	0	0	0
Brockton	72	23	15	4	10	13	0	0	0	0
Canton	107	56	26	12	14	12	0	0	0	0
Carver	100	269	11	2	4	4	0	0	0	0
Easton	623	22	242	4	74	76	1	1	0	0
Foxboro	184	67	53	9	16	8	0	0	0	0
Greenfield	2	1	0	0	28	9	3	0	0	0
Halifax	557	23	43	2	55	29	12	0	0	0
Hanover	90	0	7	1	13	6	1	0	0	0
Holliston	118	8	79	6	13	23	0	0	0	0
Hopkinton	0	0	1	8	140	120	1	0	0	0
Kingston	233	39	10	3	32	17	0	0	0	0
Lakeville	25	25	6	0	18	14	0	0	0	0
New Bedford	327	16	22	4	73	29	1	0	0	0
Northampton	0	2	15	79	13	1	1	0	0	0
Raynham	76	20	21	6	17	11	15	0	0	0
Rehoboth	42	0	56	9	10	4	0	0	0	0
Springfield	18	4	7	3	16	19	0	0	0	0
Walpole	106	262	30	59	16	3	8	0	0	0
Westboro	132	32	49	10	36	17	6	0	0	0
Westport	34	1	25	2	2	17	2	0	0	0
<i>Total for DPH</i>	2847	870	718	223	1124	728	51	1	0	0

Mosquito Control District Cumulative Surveillance Report through 8/4/2000

<i>Site</i>	<i>Mosquito Species</i>							<i>Virus in Mosquito Pools</i>		
	<i>Cs mel</i>	<i>Cq per</i>	<i>Ae can</i>	<i>Ae vex</i>	<i>Cx pip</i>	<i>Cx other</i>	<i>Other Sp</i>	<i>EEEV</i>	<i>HJV</i>	<i>WNV</i>
Bristol County MCD	8	0	0	0	516	118	0	0	0	0
Cape Cod MCD	0	0	0	0	0	1160	0	0	0	0
Central MA MCD	0	0	0	0	5	19	0	0	0	0
East Middlesex MCD	0	0	0	0	242	547	0	0	0	0
Essex County MCD	0	0	0	0	40	0	0	0	0	0
Norfolk County MCD	0	0	0	0	43	12	0	0	0	0
Norfolk MCD	0	0	0	0	1	0	0	0	0	0
Plymouth County MCD	0	7	0	38	109	4	0	0	0	0
Suffolk County MCD	106	130	96	83	314	97	1	1	1	0
<i>Total for MCD</i>	114	137	96	121	1270	1957	1	1	1	0